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## ***Data and the HLA***

**9 October 1996**



# AMG-14 Discussion

- **Data standardization is a second component of the DoD Common Technical Framework**
- **HLA provides structure for simulation interoperability; it does not specify the data content (syntax or semantics)**
  - **OMT provides only structure for SOMs and FOMs**
- **Common SOM and FOM data (syntax and semantics) is important for cost-effective interoperability and reuse**
  - **Time to couple data standardization efforts with HLA**
- **FY97 AMG OM development efforts could use these tools to apply common data to HLA SOMs and FOMs**



# FY97 Data Initiative

- **Support to the AMG to develop common syntax and semantics (CSS) for OM data is highest DMSO data program priority**
- **Objective is to use same data for M&S as real world systems**
- **Build on base in progress to support other M&S initiatives (e.g. CMMS)**
  - **Data dictionary is being developed to support common syntax and semantics for CMMS and other efforts**
    - **leverages DoD data dictionary system (DDDS) and DIS data dictionary**
  - **Ideally same data dictionary would be used to 'fill' SOMs and FOMs**
    - **'suitability assessment' using HLA Baseline FOMs**
      - **linking data dictionary to HLA OM development tools under consideration**



## Next Steps

- **Develop a systematic approach to development of OM data CSS (Common Syntax and Semantics) (~OM data dictionary)**
- **Cooperative effort with AMG programs**
  - Programs will each individually be developing SOMs
  - Using AMG as a vehicle should facilitate commonality in SOM data and support interoperability for major programs
  - Lower the need for bilateral agreements among programs
- **Make results readily available for use by other programs as they begin transition**
- **Two parallel efforts**
  - DIS data quick start
  - AMG coordinated OM data effort



# Transition from DIS



- Numerous programs now use DIS and data embedded in DIS protocols meets needs of a subset of DoD programs
- Quick-start with DIS data
  - Begin with the Reference FOM developed by DIS protocol group
  - Cross reference with DoD data
  - Coordinate data fill between two
- Facilitate transition from DIS to HLA, with common data as part of the process



# AMG Program OM Data Coordination



- **Identify common data 'clusters'**
- **Team relevant programs to define general requirements**
- **Teams will draft CSS for their cluster**
- **Drafts will be coordinated at the AMG**



## Resulting CSS for OMs

- **Provide access to CSS for OMs on the MSRR**
- **Incorporate automated access to CSS for OM in the OM development tools**